MODIS Level 1 Software

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MODIS Science Team Meeting
16-17 November 1999

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MODIS L1 Products

- **L1A and Geolocation (PGE1)**
  - Launch version in DAAC, promoted to 5A ops in Aug
- **Cloud Mask (PGE3)**
  - Version 2.1.0 in DAAC ops
  - Launch version (2.4.3) in testing at DAAC, expect promotion to 5A ops end of Nov

MODIS L1 Products

- **L1B (PGE2)**
    - Version 2.2.0 (launch version) in DAAC ops
    - Anticipating delivery of 2.3.0 by 15 Dec

Improvements in v2.3.0

- **More detailed error messages (with clear instructions for operators)**
- **Physically-based SWIR out-of-band correction**
- **Correction for annual variation in Earth-Sun distance in reflectance product**
- **Upgrades to reflectance uncertainty algorithm**
- **Addition of detector quality flag (e.g. out of family detectors)**

- **ADC non-linearity correction**
- **Simplification to code and improved self-documentation**
- **Backwards compatible file spec changes proposed to metadata**
- **Process for writing QA information to new ESDT in place BUT implementation will be made post-launch unless launch delays allow for delivery in 1/2000.**

MODIS L1 Products (3 of 3)

- **L1A Subsetter (PGE71)**
    - **Launch version in DAAC.**
    - **Received SDST patch 2.0.2.**
    - **Patch 2.0.5 (needed to make night granules smaller) expected 15 Nov**
    - **Expect promotion to ops by 25 Nov**
- **L1B Subsetter (PGE 2A)**
    - **Launch version in DAAC. Promoted to 5A ops in Aug**

Testing

- **Successful MOSS 3 test took place 18-22 Oct**

- **MOSS 3 included version 2.1.0 of PGE3 and did not include PGE71**